ENT BOOK

Dimensions			Contents	Reference to last Measurement
th	Breadth 5	Depth 6	7	8

Final & final

SBR - 224/16-17
dt - 10/01/17

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193159

Serial No. Improvements to roads & drains at Balaji Layout suboundings in ward no. 8, Kodigehalli sub division

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency M. Rajashekar

Date of commencement of work 01.09.2016

BR-776/30

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Estimate cost: Rs 49.00 Lakhs. Job No: 038-16-000001 Code: P3089 AE No. AE/JCLY NL)/22/15-16 dtd 30.08.2015 TS No. TS/EE/57/15-16 dtd 21.08.2015 WO No. ASHP/EE/STP/NO/68/2016-17 dtd 20-02-2016 Measurement recorded on: 02-11-2016						
1)	Hire charges of 100KVA generator including operator & fuel, transportation & handling charges etc complete. Qty as per Abstract (1) Page 93185	-	-	-	-	182.00 hours Limited to 180.00 hours @ Rs. 520/- - - - - Rs.	93600.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
3)	Dismantling of existing steel trusses like sheets, bridge, Rce structures including T&P, scaffolding, sorting serviceable materials & disposal of unserviceable materials as directed - as Lumpsum qty vide item NO.(3) of page 193186 Limited To @ Rs. 1250/-					189.0 cum 180.80 cum = Rs. 226000.00	
4)	Dismantling of RCC three Lumpsum steel trusses & rce sheeters including T&P scaffolding, sorting serviceable materials, & disposal of unserviceable materials as directed & complete. qty vide item NO.(4) of page 193186 Limited to @ Rs. 1200/-					20.38 cum 18.34 cum = Rs. 22008.00	
2)	Earthwork excavation by manual means in ordinary soil, excavated surface levelled & sides neatly dressed, disposed earth to be levelled neatly after sorting of dust as complete as directed.						

M.A.R. 57 (Ru

Measurement

Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimens	
		Number	Length
1	2	3	4
	qty vide item NO.(2) of page 193187 @		
15)	Lead for disposal of debris shall be at carriage rates by mechanical directed. qty vide item NO.(15) of page 193188 @ Rs. 80/		
5)	Removing AC slab of drain & directed qty vide item NO.(5) of pg 193 @ Rs		

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ngth 4	Breadth 5	Depth 6	7	8
...ee lose culverts, ... T+P, scaffolding, ... & disposal ... directed-as ... 193186 ... Limited To ... 1250/-			189.0 cum 180.80 cum =Rs.	226000.00
...rvey, boardroom & rec ...stage, posting ...& serviceable ... complete. ... 193186 ... Limited to ... Rs. 1200/-			20.38 cum 18.34 cum =Rs.	22008.00
...manual means & delivery ...ed & rider neatly ...0 & levelled neatly ... complete as				

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193160

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7 1398.31	8
	Qty vide item No.(2) ... page 193187 ... @ Rs. 85/-					1398.52 cum =Rs.	118882.00 = 11885 6-
	15) Lead for disposal of debris shall be payable at carriage rates by mechanical means as directed.					1418.49	
	Qty vide item No(15) ... Page 193188 ... Limited to ... @ Rs. 80/-					1418.49 cum 1288.53 cum =Rs.	111082.00
	5) Removing AS slab ... drain & stacking as directed ... Qty vide item No. (5) ... page 193188 ... Limited to ... @ Rs 65/-					5990.45 cum 5978.07 cum =Rs.	388574.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
6)	Construction of embankment with approved material deposited at site from roadway widths & excavation for drain & ths & compacted etc complete as directed. Qty vide item No (6) of page 193189			Limited to @ Rs. 190/-		805.48 cum 785.64 cum = Rs.	149234.00 =
7)	Refixing stone slabs 1:3 as directed. Qty vide item No.(7) of drain & providing in CM					4196.40 Sqm 4184.64 Sqm = Rs.	Limited to 460310.00 = @ Rs. 110/-
8)	Providing granite slabs dressed & fixed in CM 1:6 including fixing etc as directed. Qty vide item No.(8) of selected quality roughly page 193192			Limited to @ Rs. 952/-		1794.05 Sqm 1793.43 Sqm = Rs.	1703758.00 =

M.A.R. 57

Measurem

Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	D
		Number	Leng
1	2	3	4
9)	Providing & laying in positions PC concrete of cement @ 180 kg Metal, CA @ 0.85 cum, FA @ 0.9 mixed, concrete laid in layers not exceeding 15 cm & all materials etc c Qty vide item No (9) of		pc con Page 193194
			@ Rs. 53
10)	Providing & constructing granite Masonry in superstructure with CM stone dressed & square high hand stone @ as per all materials labour etc complete with available stones		

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
			material & water complete
		805.48 cum	
		785.44 cum	Limited to
		= Rs.	1249234.00 =
			in CM
		4196.40 Sqm	
		4184.64 Sqm	Limited to
		= Rs.	460310.00 =
			by highly fixing accessory
		1794.05 Sqm	
		1793.42 Sqm	limited to
		= Rs.	1703758.00 =

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193161

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
a)	Providing & laying in position PCC of mix 1:4:8 with 40mm & dls metal, CA @ 0.85cum, FA @ 0.57cum machine mixed, concrete laid in layers not exceeding 15cm mix cost of all materials etc complete as directed.	180 kg					
	(Qty vide item No (9))	page 193190				952.32 cum	
						443.94 cum	Limited to
						= Rs.	1297760.00 =
b)	providing & constructing granite rubble stone masonry in superstructure with CM 1:6 ashlar stone distribution in courses not less than 15cm high hand stone @ 2m apart cost of all materials labour etc complete.						
	With available stones						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	5m cross road - three factory road ಜಂಕ್ಷನ್ ವರೆಗೆ	2	175.0	0.45	0.60	94.50	cum
	4m cross road	2	17.00	0.45	0.60	9.18	"
	6m cross road ಬಿ/ಸ. 6m ಅಗಲ ಸಿಸಿ & Service road.	2	159.0	0.45	0.60	85.86	"
					Total.	189.54	cum
				Deducted To		126.56	cum
						= Rs.	4935 84.00
	ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು		@ Rs. 2900/-				
11)	with new stones						
	5m cross road	2	175.0	0.45	0.20	31.50	cum
	4m cross road	2	17.00	0.45	0.20	3.06	"
	6m cross road	2	159.0	0.45	0.20	28.62	"
					Total	63.18	cum
				Deducted To		34.15	cum
	ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು		@ Rs. 5300/-			= Rs.	180925.00
12)	providing keyed pointing to curved stone masonry with CM 1:4, 20mm deep after raking joints to depth of 20mm, cost of all materials etc complete						

Serial No.....

Name of work.....From...

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Len
1	2	3	4
	as directed.		
	5m cross road	2x2	175
	4m cross road	2x2	17
	6m cross road	2x2	159
	ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು		Rs.
13)	Providing & laying in position with OPC cement @ 220kg Metal CA @ 0.84 cum & FA @ Mixed concrete laid in (exceeding 150 mm, cost of labour etc complete.		

NT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
0.45	0.60	94.50 cum	
0.45	0.60	9.18 "	
0.45	0.60	85.86 "	
	Total.	189.54 cum	
	Carried To	126.56 cum	
		= Rs.	493584.00
0.45	0.20	31.50 cum	
0.45	0.20	3.06 "	
0.45	0.20	28.62 "	
	Total	63.18 cum	
	Carried To	34.15 cum	
		= Rs.	180925.00

ned stone masonry
ge taking joints
kewalls etc complete

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193162

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	as directed.						
	5M wide road	2x2	175.0	-	0.80	560.00 Sqm	
	4M wide road	2x2	17.0	-	0.80	54.40 "	
	6M wide road	2x2	159.0	-	0.80	508.80 "	
					Total.	1123.20 Sqm	
					Carried To	714.27 Sqm	
					= Rs.	714.27.00	
13)	Providing & laying in position pcc 1:3:6 mix with OPC cement @ 200kg per cum using Metal CA @ 0.84 cum & FA @ 0.56 cum machine Mixed concrete laid in layers not exceeding 150 mm, cost of all materials labour etc complete.						

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	5M CC road Cc drain	2	212.30	0.20	0.10	8.49	cum.
	5M A CC road	2x2	233.50	0.20	0.10	18.68	"
	5M CC road, SSM cap	2	175.0	0.45	0.12	18.90	"
	4M CC road SSM mortar drain	2	17.00	0.45	0.12	1.84	"
	6M CC road SSM mortar road	2	159.00	0.45	0.12	17.17	"
					Total	65.08	cum
					Limited to	62.86	cum
						= Rs.	343216.00
	@ Rs. 5460/-						
14)	providing & constructing precast concrete solid blocks with compressive strength not less than 3.5 N/mm² with CM 1:4 mortar with solid blocks CC & all necessaries as directed.						
	5M CC road	2	46.70	-	0.20	18.68	cum
	5M A CC road	2x2	31.00	-	0.20	24.80	"
	6M CC road	2		-	0.20	4.80	"
					Total	48.28	
						= Rs.	59870/-
	@ Rs. 1240/-						

A.E.E. 28/11/16

M.A.R. 5

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Serial No.....

Name of work.....From.

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
		Total
	Certificate: The work is completed no departmental issues	
		28/11/16

OOK

adth 5	Depth 6	Contents 7	Reference to last Measurement 8
20	0.10	8.49	cum.
20	0.10	18.68	"
5	0.12	18.90	"
us	0.12	1.84	"
us	0.12	17.17	"
	Total	65.08	cum
	Limited to	62.86	cum
60/-	- -	= Rs.	343216.00
oncrete solid			
ess mar 3.5%			
id stoked			
	0.20	18.68	cum
-	0.20	24.80	"
-	0.20	4.80	
	Total	48.28	59867.
00/-	- -	= Rs.	59870/-

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193163

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

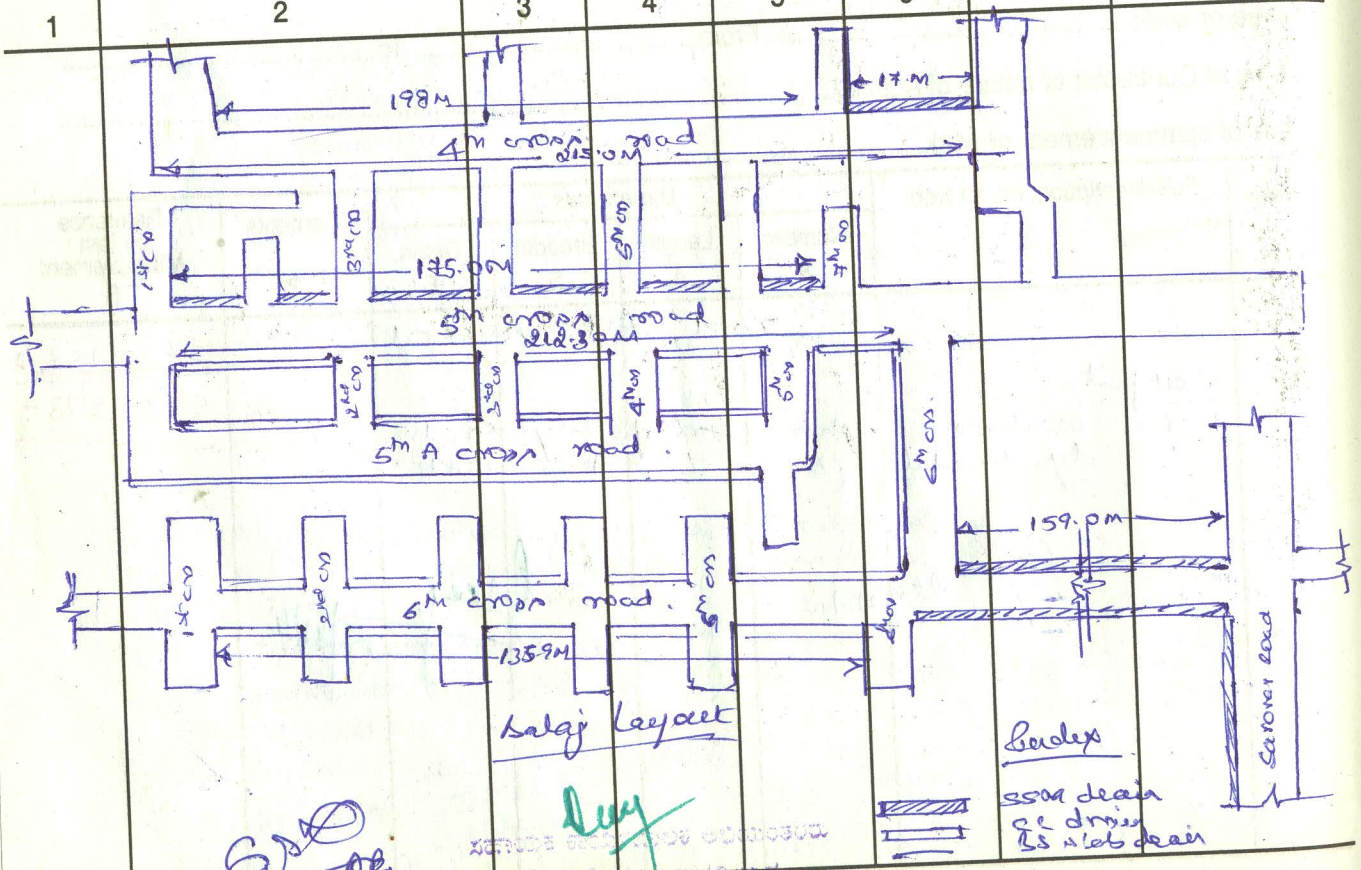
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
				Total Bill Amount -- Rs.			5720287.00
						Rs.	5720273-
	Certificate: The work is completed satisfactory & there are no departmental issues to this work.						
	21/11/16						

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೂಡಿಗೆಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಯಲಚಗೆರೆ ಪಂಚಾಯಿತಿ ಪಿ.ಎಂ.ಜಿ.ಎಸ್.ವೈ
ಚೆಂಗಡಹಳ್ಳಿ - 560092

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



0/11/15

M.A.R. 57

Measure

Serial No.....

Name of work.....From....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

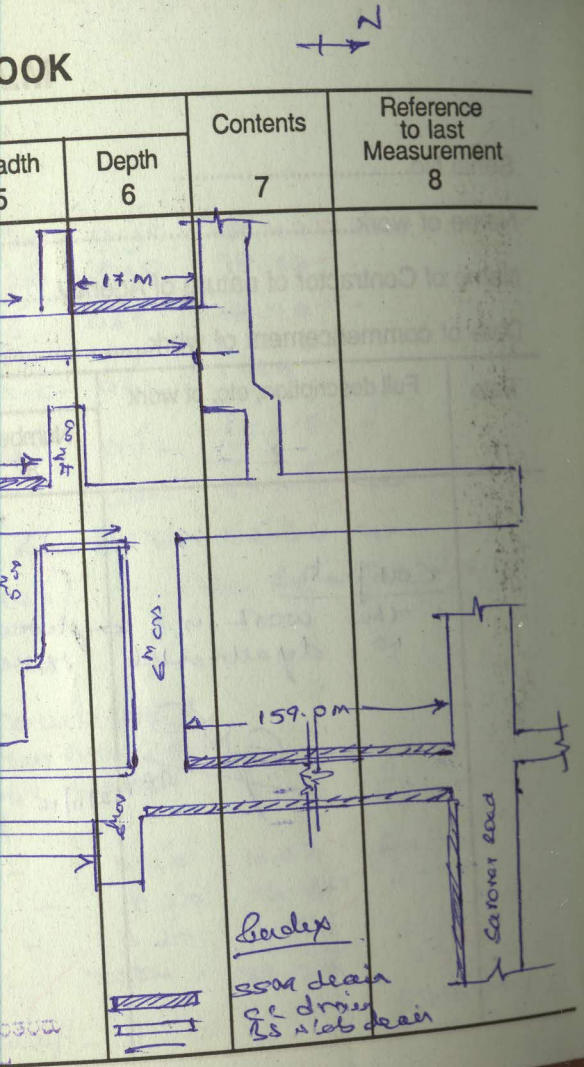
Date	Full description, etc, of work	Number	Len
1	2	3	4

Audited & Admitted for Rs 5720
(Rupees Fi
three Lakhs four thousa
eight hundred thirteen
and Rs 415460-0

Accts. Supdt. Exe. Engine
Byatarayanapura Dn Byatarayanapu
BBMP. BBMP.

OOK

adth 5	Depth 6	Contents 7	Reference to last Measurement 8



M.A.R. 57 (Rule 116)

Measurement Book

193164

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
						Total Rs.	57,20,273-00
						ST -	57203-00
						VAT -	228811-00
						CESS -	57203-00
						CBF -	5720-00
						FIRE -	3600-00
						LR -	62923-00
						Adj.	415460-00
						Charges	53,04,813-00

Audited & Admitted for Rs 57,20,273-
(Rs 53,04,813-00 (Rupees Fifty Three Lakhs four Thousand eight hundred thirteen only
by Cheque
and Rs 415460-00 By adjustment

Accts. Supdt.
Byatarayanapura Dn.
BBMP.

Exe. Engineer
Byatarayanapura Div.
BBMP.

30/01